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2 **CLAIMS**

3 1. In an interactive operating environment that accepts a command
4 string, the command string including a plurality of strings, a computer readable
5 medium having computer executable instructions, the instructions comprising:

6 receiving the plurality of strings;

7 for any string that is partially unresolved, initiating an operating
8 environment mechanism for analyzing the partially unresolved string to
9 completely resolve the string.

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1 2. The computer readable medium of claim 1, wherein the unresolved
2 string is associated with a first data type and the mechanism comprises looking up
3 a conversion for converting the first data type to another data type.

4 3. The computer readable medium of claim 1, wherein the unresolved
5 string is associated with a data type that is not natively supported by the operating
6 environment, the mechanism comprises retrieving extended information that
7 defines the data type and creating an instance of the data type.

8 4. The computer readable medium of claim 3, wherein the extended
9 information comprises extended metadata and code, the extended metadata
10 describes the data type and the code comprises additional instructions to populate
11 the instance of the data type.

12 5. The computer readable medium of claim 1, wherein the unresolved
13 string includes a wildcard and the mechanism comprises resolving the string based
14 on the wildcard.

15 6. The computer readable medium of claim 1, wherein the unresolved
16 string includes a property set and the mechanism comprises identifying a plurality
17 of properties associated with the property set and performing subsequent
18 processing associated with the command string using the plurality of properties.

19 7. The computer readable medium of claim 1, wherein the unresolved
20 string includes a relation and the mechanism comprises querying an ontology
21 service for information based on the relation.

22 8. The computer readable medium of claim 1, wherein the unresolved
23 string comprises a property path, the property path comprises a series of
24 components that provide navigation to a desired property.

1 **9.** The computer readable medium of claim 8, wherein the mechanism
2 performs a look-up to resolve each component.

3 **10.** The computer readable medium of claim 9, wherein each component
4 comprises a property for an associated object, a method for the associated object, a
5 field for the associated object, a third party property, or a third party method.

6 **11.** The computer readable medium of claim 10, wherein the associated
7 object comprises an object associated with a preceding component.

8 **12.** The computer readable medium of claim 9, wherein the look-up
9 comprises a priority based look-up.

10 **13.** The computer readable medium of claim 8, wherein a component
11 comprises a reference to registered code.

12 **14.** A computer readable medium having computer executable
13 instructions, the instructions comprising:

14 receiving parseable input via an operating environment, the parseable input
15 including content that uses a data type that is not natively supported by the
16 operating environment;

17 retrieving extended information that defines the data type; and

18 creating an instance of the data type.

1 **15.** The computer readable medium of claim 14, wherein the parseable
2 input comprises a Windows Management Instrumentation (WMI) input, an
3 ActiveX Data Object (ADO) input, an XML input, or a third party data format.

4 **16.** The computer readable medium of claim 14, wherein the extended
5 information comprises extended metadata and code, the extended metadata
6 describes the data type and the code comprises additional instructions to populate
7 the instance of the data type.

8 **17.** The computer readable medium of claim 14, wherein the parseable
9 input comprises a third party object that provides an additional property to an
10 object supported natively within the operating environment.

11 **18.** The computer readable medium of claim 14, wherein the parseable
12 input comprises an ontology service.

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2 **19.** A system that extends data types available to an operating
3 environment, the system comprising:

4 a processor; and
5 a memory, the memory being allocated for a plurality of computer-
6 executable instructions which are loaded into the memory for execution by the
7 processor, the computer-executable instructions comprising:

8 receiving parseable input via an operating environment, the parseable input
9 including content that uses a data type that is not natively supported by the
10 operating environment;

11 retrieving extended information that defines the data type; and

12 creating an instance of the data type.

13 **20.** The system of claim 19, wherein the parseable input comprises a
14 Windows Management Instrumentation (WMI) input, an ActiveX Data Object
15 (ADO) input, an XML input, or a third party data format.

16 **21.** The system of claim 19, wherein the extended information
17 comprises extended metadata and code, the extended metadata describes the data
18 type and the code comprises additional instructions to populate the instance of the
19 data type.

20 **22.** The system of claim 19, wherein the parseable input comprises a
21 third party object that provides an additional property to an object supported
22 natively within the operating environment.

23 **23.** The system of claim 19, wherein the parseable input comprises an
24 ontology service.